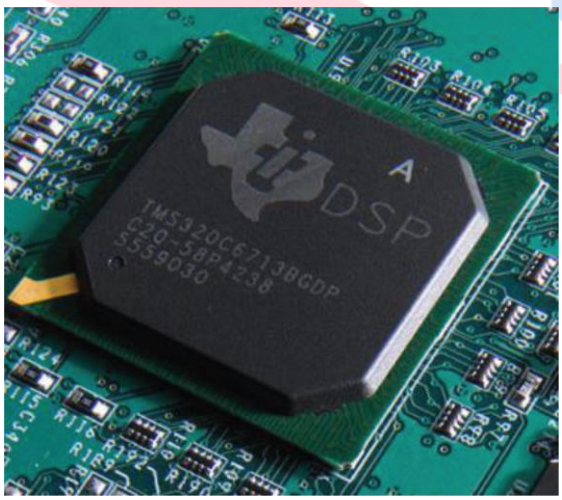
HT-ProX Series
10 kVA~600 kVA
THREE-PHASE IN / THREE-PHASE OUT
ON-LINE DOUBLE CONVERSION (VFI)

Product

Stable, Smart, Simple, Saving; Reliable. HT-Pro X series UPS is true online, double conversion topology, with most innovative design and patents, power your business with the highest power quality. Environment friendly, high efficiency and high reliability provides the lowest TCO (Total Cost of Ownership). This series UPS is fully digital controlled, armed with several DSP, MCU, CPLD, can parallel up to 8 units for redundancy or capacity, is truly a high quality, innovational solutions to protect your business from power problems.



Features

Leading Technology

- Advanced SCR rectifier and IGBT inverter control technology, true online double conversion topology, three phase in three phase out, 380/400/415V, 50/60Hz compatible.
- Super wide input voltage/frequency range, adapt to harsh utility environments.
- Higher overload capacity and output short-tolerant ability.
- Input power factor up to 0.95 with input filter options, input THDI<4.5%.
- Output power factor 0.9, brings 12.5% more power than traditional UPS.
- Intelligent self-diagnosis, mass memory to record operation log.
- Super long MTBF and short MTTR.
- Intelligent parallel and parallel ECO Mode.

RELIABILITY

Fully digital control with the most advanced DSP processor, higher system reliability. Redundant fan design, enhance system reliability. Build-in output isolation transformer, eliminate neutral to ground drifting voltage, and isolate load harmonic current influence to inverter. More than 90% components are from world well-known tier 1 suppliers, 100% IQC inspected. All final products will pass internal test procedure and 24 Hours burn-in before delivery, increase the system reliability.

ABUNDANT OPTIONS

Build-in various communication connectors (RS232, RS485, AS400, EPO etc). Optional cards available : SNMP, battery management kit, lighting proof module, dust proof filter etc.

OPERATION

Front side maintenance, top or bottom wiring connection, with protection equipments. Friendly human machine interface, easy operation with large LCD panel and keyboards.

OPTIONAL

- Upper wiring kit
- SNMP card
- Battery thermal sensor
- Parallel kit
- D level lighting proof module
- Bypass load share choke
- LBS cable
- Dry contact card
- 5th filter
- 11th filter
- BCB kit
- Battery grounding fault detector

IDEALLY SUITED FOR

Data centers, Server rooms, Finance, Telecommunications, Insurance, Education, Government, Large stadium, Opera, Theatre, Harbour, Traffic facilities, Production areas etc.

Technical Features

- Multi DSP, CPLD, MCU digital control, higher consistency and reliability.
- Output power factor 0.9, delivers 12.5% more power than tradition 0.8 UPS.
- Wide input voltage/frequency range, adapt to harsh utility power.
- Non master/slaver digital intelligent parallel control, self-load share algorithm, parallel up to 8 units.
- Single Mode ECO and parallel ECO
- Super overload capacity and output short-tolerant ability, maximize protect load even under abnormal conditions.
- Advanced intelligent battery management, self-diagnose technology, extend battery life.
- Redundant control power, increase even higher system reliability.
- Independent cooling system, multi-protection design, ensures high reliability even under harsh environments.
- 6-inch LCD display, friendly interface, easy to operate.
- Environment friendly green UPS, with various harmonic restrain technology.
- Double conversion online topology, with output isolation transformer, all-round protect load from utility or generator problems.

Model		HT-ProX10	HT-ProX15	HT-ProX20	HT-ProX30	HT-ProX40	HT-ProX60	HT-ProX80
Capacity	Rated capacity	10 kVA	15 kVA	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA
	Active power	9 kW	13.5 kW	18 kW	27 kW	36 kW	54 kW	72 kW
Mains	Input type	3 phase + ground						
	Rated AC Input	380/400/415 VAC						
	Voltage range	285 VAC - 498 VAC						
	Rated frequency	50/60 Hz						
	Frequency range	45-66 Hz						
	Input power delay	5-600s settable						
	Rectifier soft start	6-100s settable						
Bypass	Rated AC input	380/400/415 VAC (3 phase + neutral)						
	Voltage range	-40%-+20% settable						
	Frequency	50/60Hz±10% (±2.5%, ±5%, ±10%, ±20% settable)						
Output	Rated AC output	380/400/415 VAC						
	AVR precision	±1% (100% balance load), ±2% (100% unbalance load)						
	Power factor	0.9						
	Voltage transient	±5% (0-100% load change)						
	THDv	< 1%(100%linear load)						
	Voltage transient	< 5ms						
	Frequency synchronization	±2Hz (±0.5 - ±3Hz settable)						
	Inverter overload	110% constant, 125% 10mins, 150% 1mins						
	Frequency precision	±0.05%						
	Waveform	Pure sinewave						
Efficiency	Normal mode	92%						
	ECO mode	98%						
Parallel	N+X parallel	8 units						
Battery	Voltage	(360V-384V) / (2V/cell)						
Display		LCD + LED						
Size	Depth (mm)	720						750
	Height (mm)	1100						1400
	Width (mm) 6 pulse	560						800
	Width (mm) 12 pulse	/			970		1270	
Weight	Net Weight (Kg) 6 pulse	195	235	255	300	330	480	550
	Net Weight (Kg) 12pulse	/			420	480	750	800
Environment	Temperature	0-40°C						
	Humidity	0-95% No condensation						
	Noise (1m)	≤ 55dB			≤ 60dB		≤ 65dB	
Control	RS232, RS485	Support windows XP/7/8/Linux/Mac						
	SNMP optional	Support remote monitoring and management via SNMP						
Standard	Safety	IEC60950-1,IEC62040-1-1						
	Electromagnetic compatibility	IEC62040-2,IEC62040-3						

Model		HT-ProX 100	HT-ProX 120	HT-ProX 160	HT-ProX 200	HT-ProX 250	HT-ProX 300	HT-ProX 400	HT-ProX 500	HT-ProX 600
Capacity	Rated capacity	100 kVA	120 kVA	160 kVA	200 kVA	250 kVA	300 kVA	400 kVA	500 kVA	600 kVA
	Active power	90 kW	108 kW	144 kW	180 kW	225 kW	270 kW	360 kW	450 kW	540 kW
Mains	Input type	3 phase + ground								
	Rated AC Input	380/400/415 VAC								
	Voltage range	285 VAC - 498 VAC								
	Rated frequency	50/60 Hz								
	Frequency range	45-66 Hz								
	Input power delay	5-600s settable								
	Rectifier soft start	6-100s settable								
Bypass	Rated AC input	380/400/415 VAC (3 phase + neutral)								
	Voltage range	-40%-+20% settable								
	Frequency	50/60Hz±10% (±2.5%, ±5%, ±10%, ±20% settable)								
Output	Rated AC output	380/400/415 VAC								
	AVR precision	±1% (100% balance load), ±3% (100% unbalance load)								
	Power factor	0.9								
	Voltage transient	±5% (0-100% load change)								
	THDv	< 1%(100%linear load)								
	Voltage transient	< 5ms								
	Frequency synchronization	±2Hz (±0.5 - ±3Hz settable)								
	Inverter overload	105% constant, 110% constant 1hour, 125% 10mins, 150% 1mins								
	Frequency precision	±0.05%								
	Waveform	Pure sinewave								
Efficiency	Normal mode	94%								
	ECO mode	98%								
Parallel	N+X parallel	8 units								
Battery	Voltage	(360V-384V) / (2V/cell)							456V-504V) / (2V/cell)	
Display		LCD + LED								
Size	Depth (mm)	855								900
	Height (mm)	1900								
	Width (mm) 6 pulse	890		1245		1640		2265	/	/
	Width (mm) 12 pulse	1415		1770		2265			2615	
Weight	Net Weight (Kg) 6 pulse	960		1075		1630		2105	/	/
	Net Weight (Kg) 12pulse	1390		1685		2290		2500	2850	3130
Environment	Temperature	0-40°C								
	Humidity	0-95% No condensation								
	Noise (1m)	≤ 67dB							≤ 71dB	≤ 73dB
Control	RS232, RS485	Support windows XP/7/8/Linux/Mac								
	SNMP optional	Support remote monitoring and management via SNMP								
Standard	Safety	IEC60950-1,IEC62040-1-1								
	Electromagnetic compatibility	IEC62040-2,IEC62040-3								